

### R E M A R K S

Careful review and examination of the subject application are noted and appreciated. Applicants' representative thanks Examiner Flanagan for the indication of allowable subject matter.

### IN THE SPECIFICATION

The specification has been amended for consistency with an amendment to FIG. 1. Support for the amendment to the specification can be found in claims 12 and 19 as originally filed and in the specification as originally filed, for example, on page 5, lines 2-7 and on page 16, lines 19-21. As such, no new matter has been introduced.

### SUPPORT FOR CLAIM AMENDMENTS

Support for the amendments to the claims can be found in the drawings as originally filed, for example, on FIGS. 1-3, in the claims as originally filed, for example, claims 8 and 9 and in the specification as originally filed, for example, on page 7, line 15 through page 9, line 14. As such, no new matter has been introduced.

### OBJECTION TO THE DRAWINGS

The objection to the drawings has been obviated by appropriate amendment and should be withdrawn. Specifically,

FIG. 1 has been amended to include an outline formed with a dashed line identified by reference numeral 101 and a label "ASIC, CPLD, FPGA". The specification has been amended to describe reference label 101 as identifying an application specific integrated circuit (ASIC), a complex programmable logic device (CPLD) or a field programmable gate array (FPGA). Support for the amendment to the drawings and the specification can be found in claim 12 and claim 19 as originally filed and in the specification as originally filed, for example, on page 5, lines 2-7 and on page 16, lines 19-21. Therefore, no new matter has been introduced. As such, each and every element of the presently claimed invention is shown in the drawings and the objection should be withdrawn.

#### **OBJECTION TO THE ABSTRACT**

The objection to the abstract has been obviated by appropriate amendment and should be withdrawn.

#### **CLAIM REJECTIONS UNDER 35 U.S.C. §102**

The rejection of claims 1-4, 6, 7, 12-16 and 18-20 under 35 U.S.C. §102 as being anticipated by Mackey et al. (U.S. Patent Application Pub. 2002/0181631; hereinafter after Mackey) has been obviated by appropriate amendment and should be withdrawn.

Allowable matter of claim 8 is believed to have been incorporated into claim 1. Subject matter similar to the allowable

matter of claim 8 has been incorporated into claim 15. The allowable matter of claim 9 has been written in independent form as new claim 22. As such, the presently claimed invention is fully patentable over the cited reference and the rejection should be withdrawn.

Claims 2-13, and 16-20 depend, directly or indirectly, from either claim 1 or claim 15 which are believed to be allowable. As such, the presently claimed invention is fully patentable over the cited reference and the rejection should be withdrawn.

New claim 21 depends from claim 1 which is believed to be allowable. As such, the presently claimed invention is fully patentable over the cited reference.

#### **CLAIM REJECTIONS UNDER 35 U.S.C. §103**

The rejection of claims 5 and 17 under 35 U.S.C. §103 as being unpatentable over Mackey in view of Lo et al. (U.S. Patent No. 6,247,082; hereinafter Lo) has been obviated by appropriate amendment/is respectfully traversed and should be withdrawn.

Claims 5 and 17 depend from either claim 1 or claim 15 which are believed to be allowable. As such, the presently claimed invention is fully patentable over the cited references and the rejection should be withdrawn.

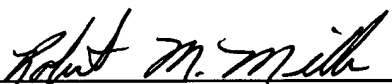
Accordingly, the present application is in condition for allowance. Early and favorable action by the Examiner is respectfully solicited.

The Examiner is respectfully invited to call the Applicants' representative at 586-498-0670 should it be deemed beneficial to further advance prosecution of the application.

If any additional fees are due, please charge Deposit Account No. 12-2252.

Respectfully submitted,

CHRISTOPHER P. MAIORANA, P.C.

  
Robert M. Miller  
Registration No. 42,892

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c/o Henry Groth  
LSI Logic Corporation  
1621 Barber Lane, M/S D-106 Legal  
Milpitas, CA 95035

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